

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yusuke KONAGAI

Serial No.: 10/585,269

Filed: October 4, 2006

Title: LOUDSPEAKER ARRAY AUDIO
SIGNAL SUPPLY APPARATUS

Group Art Unit: 2615

Examiner:

Attorney Docket No.: YAMA:133

Confirmation No.9215

VIA EFS-WEB

MAIL STOP: MISSING PARTS
COMMISSIONER FOR PATENTS
P.O. Box 1450
ALEXANDRIA, VA 22313-1450

REQUEST FOR CORRECTED FILING RECEIPT

Sirs:

A corrected filing receipt is hereby requested in view of an error which appears in the original; namely, in the number of claims and the inventor's address. For the convenience of the Patent and Trademark Office, attached is a photocopy of the original receipt on which the errors have been circled, a photocopy of page 25 of the Claims, and the original Declaration indicating the correct address.

Respectfully submitted,

ROSSI, KIMMS & McDOWELL LLP



MARC A. ROSSI
REG. No. 31,923

DATE

04/25/07

P.O. Box 826
ASHBURN, VA 20146-0826
703-726-6020 (PHONE)
703-726-6024 (FAX)



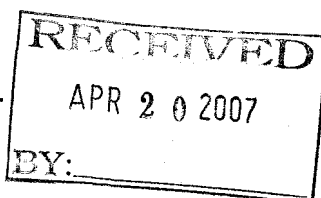
UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371(c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLMS	IND CLMS
10/585,269	10/04/2006	2615	1030	YAMA:133	6	1

37013

ROSSI, KIMMS & McDOWELL LLP.
 P.O. BOX 826
 ASHBURN, VA 20146-0826



CONFIRMATION NO. 9215

FILING RECEIPT



OC000000023330617

Date Mailed: 04/19/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Yusuke Konagai, Shizuoka-ken, JAPAN;

Hamamatsu-shi

Assignment For Published Patent Application

Yamaha Corporation, Hamamatsu-shi, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 37013.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP05/00158 01/04/2005

Foreign Applications

JAPAN 2004-000675 01/05/2004

If Required, Foreign Filing License Granted: 04/10/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/585,269**

Projected Publication Date: 07/19/2007

Non-Publication Request: No

Early Publication Request: No

APPLICATION FOR UNITED STATES PATENT DECLARATION AND POWER OF ATTORNEY

I hereby declare, as a named inventor of the invention identified herein, that my residence, post office address and citizenship are as stated below next to my name; that I verify and believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled:

TITLE: LOUDSPEAKER ARRAY AUDIO SIGNAL SUPPLY APPARATUS

which is described and claimed in the specification: a. ____ attached hereto; b. X filed 07/05/06 as U.S. Patent Appln. Serial No. 10/585,269 and amended on ____; c. X identified by the Assignee as reference number H8251WUS and assigned ATTORNEY DOCKET NUMBER YAMA:133.

I hereby declare that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above, and hereby acknowledge the duty to disclose information of which I am aware which is material to this application for patent on the invention described in the above-identified specification in accordance with 37 C.F.R. §1.56.

I hereby claim priority benefits under 35 U.S.C. §119 based on the following foreign applications(s) filed within one year prior to this application and/or under 35 U.S.C. § 365 for the following PCT International Application:

PRIORITY: PCT International Application No. PCT/JP2005/000158 filed on January 4, 2005

The following applications for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) (INSERT "NONE" IF NO CORRESPONDING CASES):

Japanese Patent Application No. 2004-000675 filed on January 5, 2004

I hereby appoint the practitioners associated with the firm and Customer Number provided below as the attorneys of record with full power of substitution and revocation to prosecute this application, to transact all business in the Patent Office, and to insert on this document the Attorney Docket Number assigned to this application. I further direct that all correspondence in connection with this application be sent to the attorneys at the address provided below:

ROSSI, KIMMS & McDOWELL LLP
P.O. BOX 826
ASHBURN, VA 20146-0826
(703) 726-6020
Customer Number: 37013

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST INVENTOR	Yusuke KONAGAI
Residence	Hamamatsu-shi, Shizuoka-ken, Japan
Citizenship	Japan
Post Office Address	c/o YAMAHA CORPORATION, 10-1, Nakazawa-cho, Hamamatsu-shi, Shizuoka-ken, Japan
Inventor's signature	<i>Yusuke Konagai</i>
Date	July 28, 2006

ADDITIONAL INVENTORS PROVIDED ON ATTACHED PAGES YES ____ NO X ____

2. The audio signal supply apparatus according to claim 1, wherein an amount of delays indicated by delay control information generated based on the second directivity parameter is 0 or an equal amount.

3. The audio signal supply apparatus, which supplies an audio signal to a loudspeaker array constituted by a plurality of loudspeaker units, characterized by comprising:

branching means for branching an input audio signal into two or more signals;

first processing means for performing a delay process and/or weighting for each of the signals that is obtained by branching one audio signal and is to be supplied to the loudspeaker units in accordance with first provided directivity control information;

second processing means for performing a delay process and/or weighting for each signal that is obtained by branching one audio signal and that is to be supplied to the loudspeaker units in accordance with second directivity control information that is provided;

directivity control means for generating the first directivity control information and the second directivity control information so that a directional characteristic of the loudspeaker array obtained by the first process differs from a directional characteristic of the loudspeaker array.